



ENVIRONMENTAL PLUS, INC.
CONSULTING AND REMEDIAL CONSTRUCTION

9 November 2011

Mr. Geoffrey Leking
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

HOBBS OCD

NOV 16 2011

RECEIVED

**RE: Remediation Closure Report
ConocoPhillips Company – EVGSAU Well #2801-002 Release Area
UL-M (SW1/4 of the SW1/4) of Section 28, T 17 S, R 35 E; Lea County, New Mexico
Latitude: 32° 46' 49.99"; Longitude: 103° 28' 11.64"
EPI Ref. #150034**

Dear Mr. Leking:

The below *Remediation Closure Report (Report)* is an abbreviated version depicting prominent remedial activities conducted on the above referenced Release Area. However, for clarity and cross reference elimination purposes, the *Report* includes *Release History, Site Background, Preliminary Field Work, Analytical Data and Procedures* and *Field Remediation Activities*.

Release History

On 3 August 2011 at 0700 a.m. approximately 0.4-barrels (bbls) of produced water and 15-bbls of petroleum products were released from a 2-3/8 inch steel surface flow line. Approximately 0.4-bbl of produced water and 15-bbls of petroleum product were recovered. The combined fluids covered a release area of $\pm 1,232$ - square feet and an overspray area of $\pm 2,956$ - square feet. After initial vacuuming of fluids, ConocoPhillips retained the services of Environmental Plus, Inc., (EPI) to GPS survey, photograph and assess product/water impacts of the release area. This letter report provides a *Remediation Proposal* for the release area.

Site Background

The release area is located in Section 28, T17S, R35E at an approximate elevation of 3,951 feet above mean sea level (amsl). The property is owned by the State of New Mexico and managed by the New Mexico State Land Office (NMSLO). A search for water wells was completed utilizing the New Mexico Office of the State Engineers website and a database maintained by the United States Geological Survey (USGS). No water wells (domestic, agriculture or public) or bodies of surface water exist within a 1,000 feet radius of the release area (reference *Figure 2*). Groundwater data indicates the average water depth is approximately sixty-five (65) feet below ground surface (bgs). Based on available information, it was determined the vertical distance between impacted soil and groundwater is approximately 60 feet. Utilizing this information, New Mexico Oil Conservation Division Remedial Threshold Goals (NMOCD Goals) for this Site were determined as following:

2100 AVE O ~ PO BOX 1558 ~ EUNICE, NM 88231
PHONE (575) 394-3481 * (575) 394-2601 FAX

PKJ 16 034528 66

12P-4138

ENVIRONMENTAL PLUS, INC.



Parameter	NMOCD Goals
Benzene	10 mg/Kg
BTEX	50 mg/Kg
TPH	100 mg/Kg
Chlorides	250 mg/Kg

Preliminary Field Work

On 17 August 2011 EPI visited the Release Area to conduct GPS survey, photograph and assess surface damage. Having recently completed remediation activities in the Buckeye area [ConocoPhillips, EVGSAU #2913-006 Release Area located in UL-P (SE1/4 of the SE1/4) of Section 19, T17S, R37E], EPI concluded delineation via trenching or soil borings was not required. Dense rock formations which commence approximately four (4) inches and extend fifteen (15) feet below ground surface (bgs) limit vertical migration of production fluids. Based on related experience, impacted area should be limited to less than five (5) vertical feet. This concept is promoted by efficiency of cleanup efforts in vacuuming the release area leaving little volume of production fluids for sub-surface seepage.

Analytical Data and Procedures

In reviewing Table 3, *Summary of Excavation Soil Sample Field Analyses and Laboratory Analytical Results*, it can be noted chloride concentrations are the main Constituent-of-Concern with TPH concentrations a minor part. Sidewalls and bottom of the excavation were excavated until both TPH and chloride concentrations were within NMOCD Remedial Threshold Goals (NMOCD Goals).

Upon collection of soil samples, a portion of each was field tested for organic vapor and chloride concentrations. Soil samples collected for organic vapors were placed in self-sealing polyethylene bags and allowed to equilibrate to ~70° F. The soil sample was then tested for organic vapors utilizing a MiniRae™ Photoionization Detector (PID) equipped with a 10.6 electron-volt (eV) lamp calibrated for benzene response. Chloride concentrations were analyzed in the field utilizing a LaMotte Chloride Kit (Titration Method).

Soil samples designated for laboratory analyses were immediately inserted into laboratory provided containers, labeled, placed in self-sealing polyethylene bags, inserted into coolers, iced down and transported to an independent laboratory for analyses of Constituent-of-Concern under Chain-of-Custody protocol.

Field Remedial Activities

EPI mobilized equipment to the job site on 10 October 2011 and commenced excavation on 12 October 2011. From 12-23 October 2011, approximately 532 cubic yards of impacted material were excavated from the release and overspray areas. Soil samples were collected from sidewalls and bottom of the excavation on 10-14-11, 10-18-11 and 10-19-11 for laboratory analyses of BTEX, TPH and chloride concentrations. Figure #4, *Sample Point Location Map*, illustrates sidewall (SW) and bottom hole (BH) soil sample locations with values noted in Table #3.



With all soil samples indicating BTEX, TPH and chloride concentrations were within NMOCD Goals, backfilling the excavation commenced. On 24 October 2011, approximately 490 cubic yards of clean top soil free of deleterious material, large clumps or rocks were transported to the release area from Pearce Estate Pit. Imported top soil combined with 42 cubic yards of previously stockpiled material on site was used to backfill the excavation and release areas. Due to release area overspray being chloride concentrations and surficial in nature, top one (1) foot was excavated and back filled with top soil. Area did not require spraying with six (6) percent Micro®Blaze solution.

Upon completion of backfill activities, the area was contoured to prevent wind/water erosion, pooling of water and promote natural drainage. Remaining activity for completing the project is discing and deep drill seeding of the disturbed areas with a mixture approved by the NMSLO. However, in view of drought conditions, it is recommended this activity be postponed until ground and weather conditions are conducive to vegetative growth. Hence, this event may not occur until late spring 2012.

Should you have technical questions, concerns or need additional information, please contact me at (575) 394-3481 (office), (575) 441-7802 (cellular) or via e-mail at dduncanepi@gmail.com.

Official communications should be directed to Mr. John Gates at (575) 391-3158 (office), (575) 390-4821 (cellular) or via e-mail at John.W.Gates@conocophillips.com. Correspondence should be addressed to:

Mr. John W. Gates
HSER Lead
Permian-Buckeye Operations
29 Vacuum Complex Lane
Lovington, New Mexico 88260-9664

Sincerely,

ENVIRONMENTAL PLUS, INC.,

David P. Duncan
Civil Engineer
EPI Project Manager

Cc: John W. Gates, HSER Lead – ConocoPhillips Corp.
Myra Harrison, District Resource Manager – NMSLO (Hobbs, NM)
Steve Ikeda, Field Operations – NMSLO (Santa Fe, NM)
Cody Miller, General Manager - EPI
Roger Boone, Operations Superintendent – EPI

Encl: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Release Area Map



Figure 4 – Sample Point Location Map

Table 1 – Well Data

Table 3 – Summary of Soil Sample Field Analyses and Laboratory Analytical Results

Attachment I – Photographs

Attachment II – Laboratory Analytical Results

Attachment III – Copy of Initial NMOCD Form C-141

Final NMOCD Form C-141

FIGURES

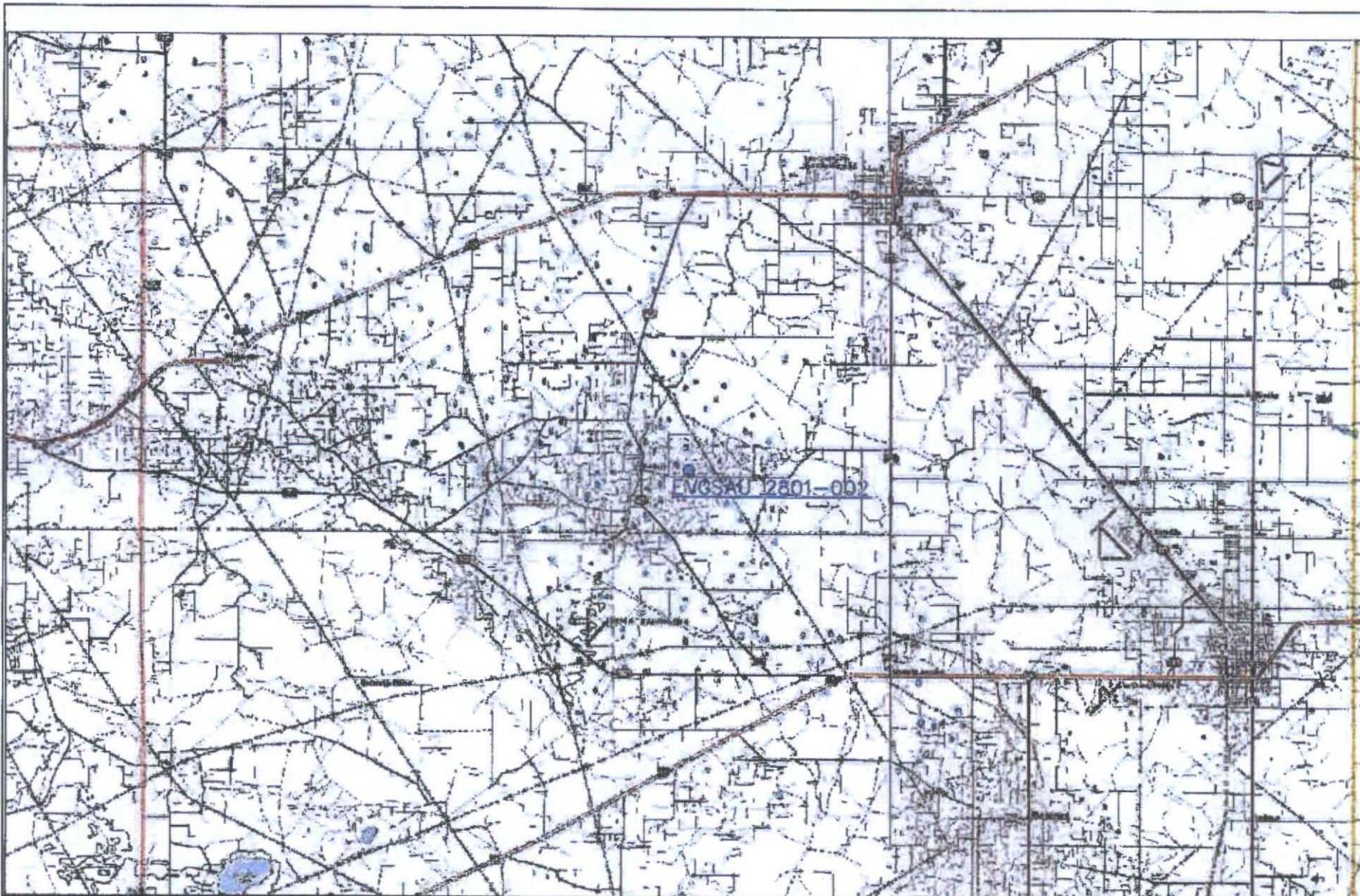


Figure 1
 Site Location Map
 ConocoPhillips
 EVGSAU 2801-002

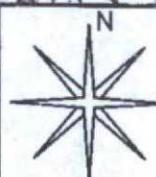
Lea County, New Mexico
 SW 1/4 of the SW 1/4, Sec. 28, T17S, R35E
 N 32° 46' 49.9" W 103° 28' 11.64"
 Elevation: 3,951 feet amsl

DWG By: Daniel Dominguez
 March 2006

REVISED:
 9/21/2011



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 1 of 1



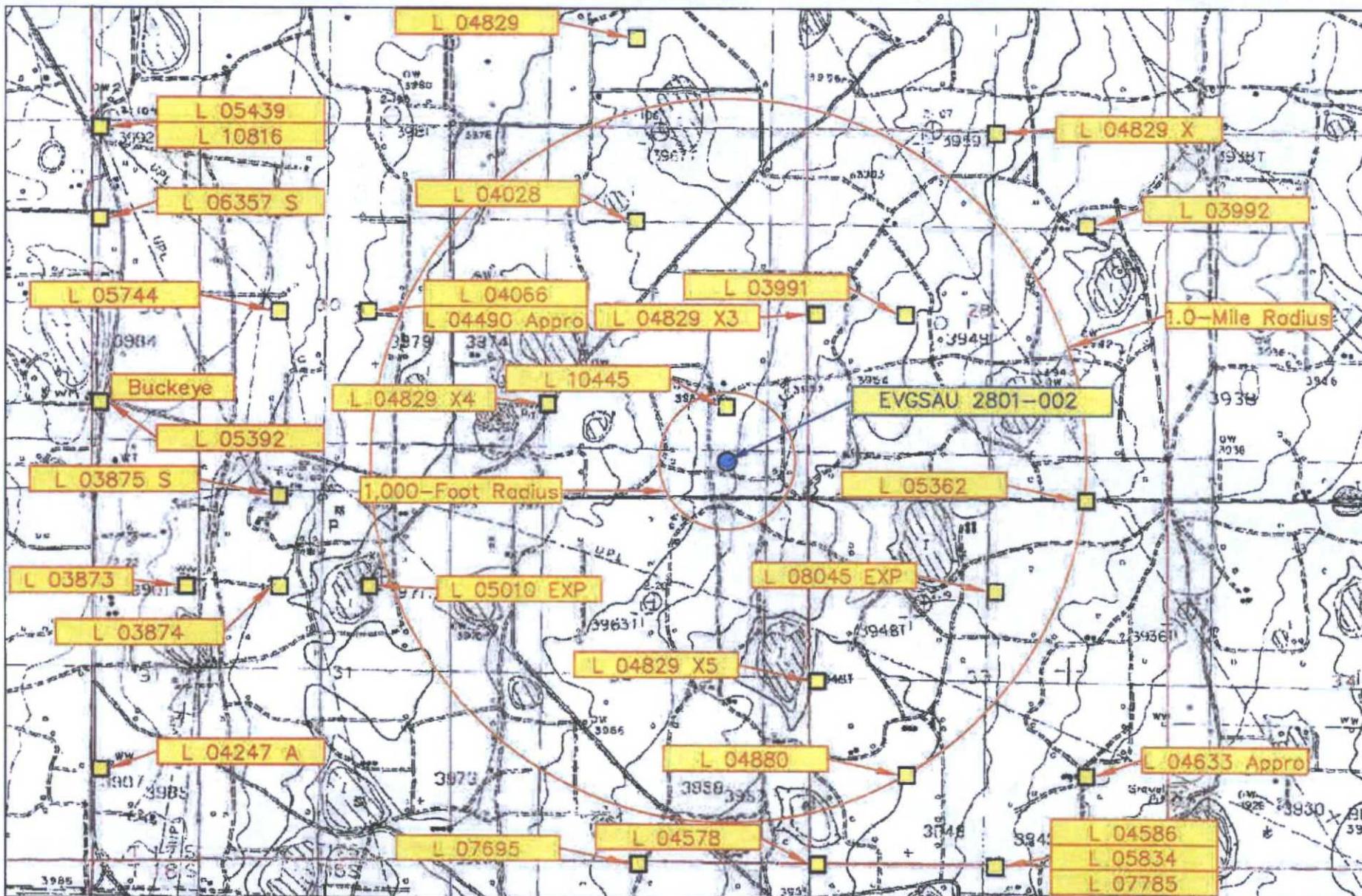
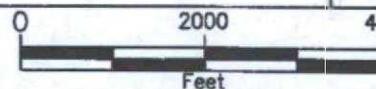


Figure 2
 Site Location Map
 ConocoPhillips
 EVGSAU 2801-002

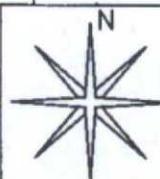
Lea County, New Mexico
 SW 1/4 of the SW 1/4, Sec. 28, T17S, R35E
 N 32° 46' 49.9" W 103° 28' 11.64"
 Elevation: 3,951 feet amsl

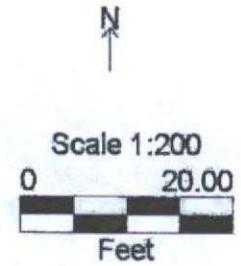
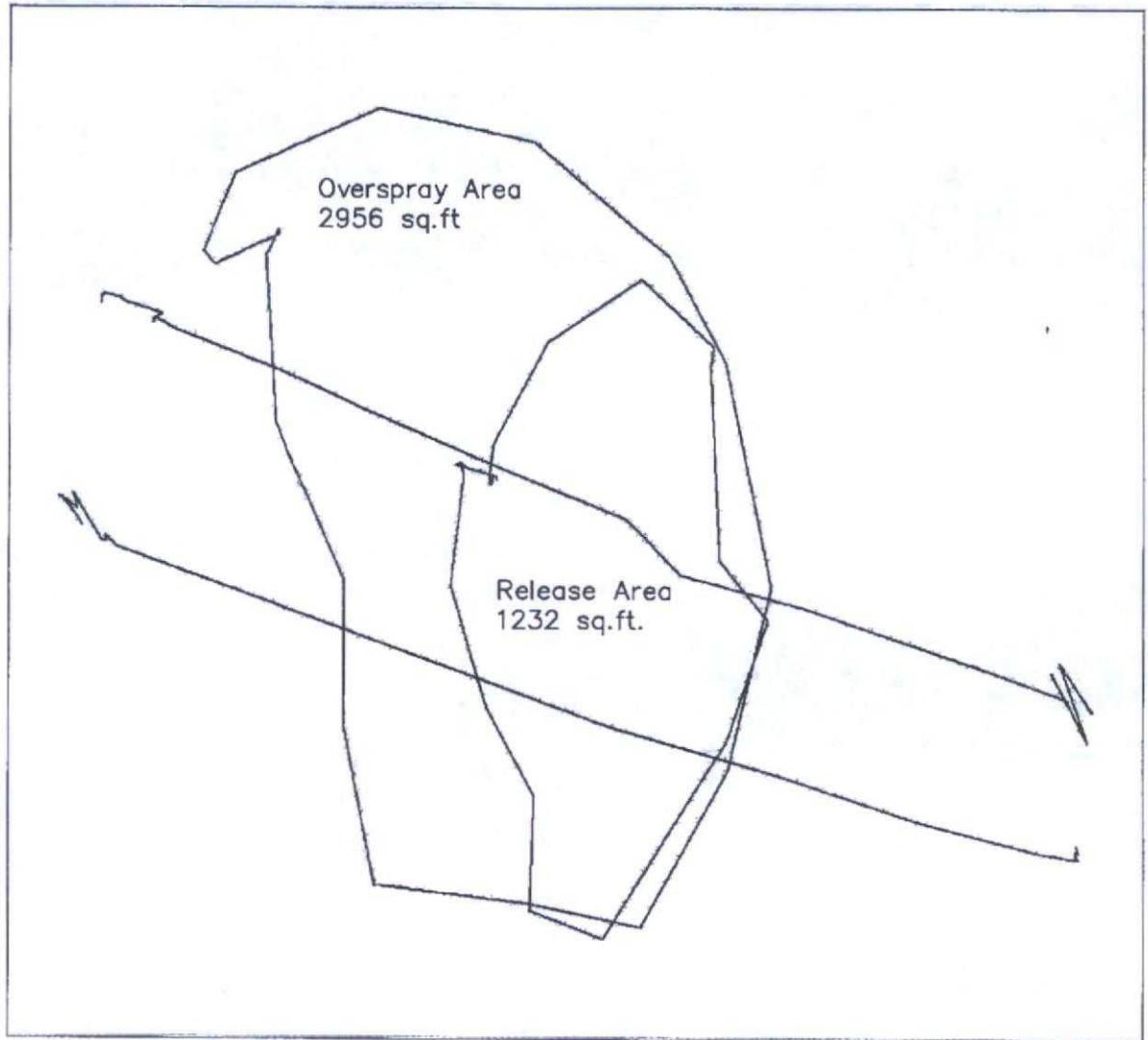
DWG By: Daniel Dominguez
 March 2006

REVISED:
 9/21/2011



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 1 of 1





Lat/Long
WGS 1984

R081115D.ssf
9/13/2011

GPS Pathfinder Office

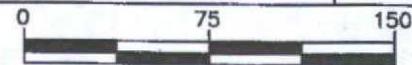


Figure 3
GPS Release Area
ConocoPhillips
EVGSAU 28001-002

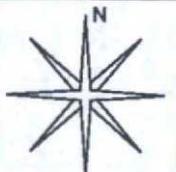
Lea County, New Mexico
SW 1/4 SW 1/4 Sec. 28-17S-35E

DWG By: Jerry Smith
Sept. 2011

REVISED:



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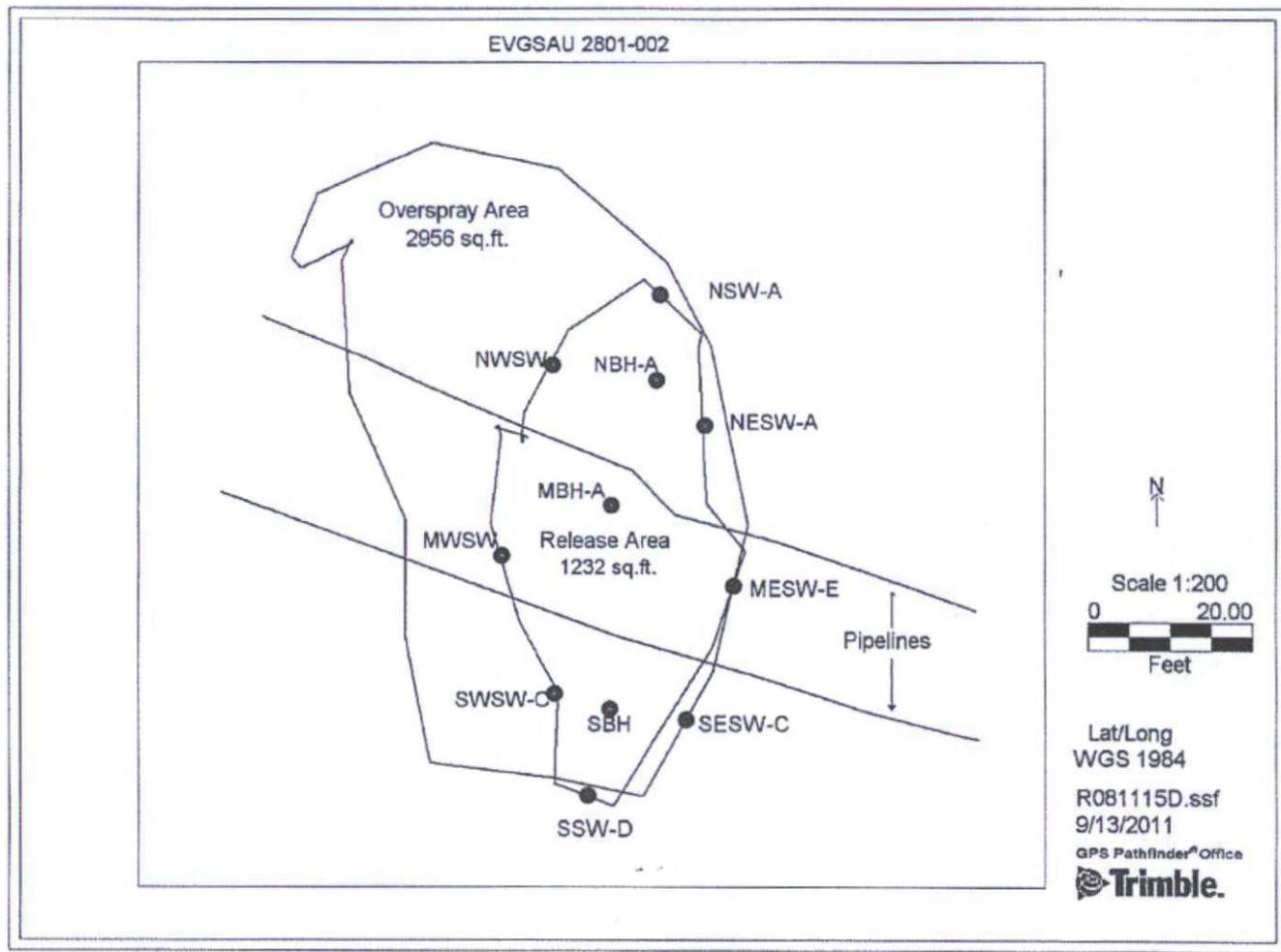


Figure 4
Soil Sample Location Map
ConocoPhillips
EVGSAU 2801-002

Lea County, New Mexico
SW 1/4 SW 1/4 Section 28-17S-35E

DWG By: Jerry Smith
November 2011

REVISED:

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1 of 1





TABLES

TABLE 1

Well Data

ConocoPhillips - East Vacuum Graybr g - San Andres Unit Tract 2801-002 (Ref. # 150034)

Well Numbr	Diversion ^A	Owner	Use	Twsp	Rng	Sec qtr	Latitude	Longitude	Date Measured	Surface Elevation ^B	Depth to Water (ft bp)
L 04028	3	ZAPATA PETROLEUM CORPORATION	PRO	17S	35E	29 2 1	N32° 48' 34.50"	W103° 28' 45.96"		3,973	
L 04829 X4				17S	35E	29 3 2	N32° 48' 8.33"	W103° 29' 1.36"		3,976	
L 10445	0	GILES LEE	STK	17S	35E	29 4 2 4	N32° 48' 8.14"	W103° 28' 30.39"		3,967	
L 05439	0	HUMBLE OIL & REFINING COMPANY	PRO	17S	35E	19 3 3 2	N32° 48' 47.66"	W103° 30' 18.14"	25-Jul-64	3,996	85
L 10816	0	PEARCE RANCH	STK	17S	35E	19	N32° 48' 47.66"	W103° 30' 18.14"		3,996	
L 04829	317	PHILLIPS PETROLEUM COMPANY	OIL	17S	35E	20 4 1	N32° 49' 0.71"	W103° 28' 46.03"		3,973	
L 04829 X				17S	35E	21 4 3	N32° 48' 47.21"	W103° 27' 44.00"		3,957	
L 03991	0	ZAPATA PETROLEUM CO.	PRO	17S	35E	28 1 4 4	N32° 48' 21.08"	W103° 27' 59.45"		3,957	
L 03992	3	ZAPATA PETROLEUM CORPORATION	PRO	17S	35E	28 2 2 3	N32° 48' 34.02"	W103° 27' 28.47"	02-Sep-58	3,947	65
L 04829 X3				17S	35E	28 1 3	N32° 48' 21.16"	W103° 28' 14.95"		3,963	
L 05362	0	HUMBLE OIL & REFINING COMPANY	PRO	17S	35E	28 4 4 3	N32° 47' 54.70"	W103° 27' 28.42"	02-Apr-64	3,947	80
L 03875 S	0	DUKE ENERGY FIELD SERVICES, LP	POL	17S	35E	30 4 3 3	N32° 47' 55.30"	W103° 29' 47.88"		3,986	
L 04066	3	GACKLE DRILLING COMPANY	PRO	17S	35E	30 2 4	N32° 48' 21.55"	W103° 29' 32.41"	03-Feb-59	3,986	70
L 04490 APPRO	0	MORAN OIL PRODUCING & DRILLING	PRO	17S	35E	30 2 4	N32° 48' 21.55"	W103° 29' 32.41"	25-Jul-60	3,986	70
L 05392	0	INC. A.W. THOMPSON	PRO	17S	35E	30 3 1	N32° 48' 8.38"	W103° 30' 18.09"	16-May-64	3,996	80
L 05744	0	TRI-SERVICE DRILLING COMPANY	PRO	17S	35E	30 2 3 3	N32° 48' 21.53"	W103° 29' 47.94"		3,993	75
L 06357 S	207.8	REPUBLIC FACTORS INC. OF MIDLA	COM	17S	35E	30 1 1 3	N32° 48' 34.57"	W103° 30' 18.13"	20-Jun-89	3,996	130
L 03873	31.68	PHILLIPS PETROLEUM CO.	IND	17S	35E	31 1 2 3	N32° 47' 42.18"	W103° 30' 3.44"		3,986	
L 03874	23.67	PHILLIPS PETROLEUM CORP.	IND	17S	35E	31 2 1 3	N32° 47' 42.18"	W103° 29' 47.86"		3,983	
L 04247 A	1400	U.S. BANK NATIONAL ASSOCIATION	IND	17S	35E	31 3 1 3	N32° 47' 16.01"	W103° 30' 18.04"	25-Jan-74	3,993	95
L 05010 EXP	0	NOBLE DRILLING CO.	PRO	17S	35E	31 2 2	N32° 47' 42.15"	W103° 29' 32.29"		3,976	
L 07695	480	PHILLIPS PETROLEUM COMPANY	OIL	17S	35E	32 4 3	N32° 47' 2.60"	W103° 28' 45.63"		3,963	
L 04578	3	SHOENFELD-HUNTER-KITCH DRLG.CO	PRO	17S	35E	33	N32° 47' 2.45"	W103° 28' 14.75"	12-Jan-61	3,957	60
L 04586	3	HONDO DRILLING	PRO	17S	35E	33 4 3 3	N32° 47' 2.29"	W103° 27' 43.86"	18-Jan-61	3,947	50
L 04633 APPRO	0	HONDO DRILLING COMPANY	PRO	17S	35E	33 4 2	N32° 47' 15.34"	W103° 27' 28.42"	20-Apr-61	3,940	65
L 04829 X5				17S	35E	33 1 3	N32° 47' 28.77"	W103° 28' 14.73"		3,957	
L 04880	0	HONDO DRILLING CO.	PRO	17S	35E	33 3 2	N32° 47' 15.52"	W103° 27' 59.30"	18-Apr-62	3,953	90
L 05834	1150	SOUTHWESTERN PUBLIC SERVICE	IND	17S	35E	33 4	N32° 47' 2.29"	W103° 27' 43.86"		3,947	
L 07785	0	SOUTHWESTERN PUBLIC SERVICE CO	IND	17S	35E	33 4 3	N32° 47' 2.29"	W103° 27' 43.86"		3,947	
L 08045 EXP	0	PHILLIPS PETROLEUM COMPANY	SAN	17S	35E	33 2 1 4	N32° 47' 41.68"	W103° 27' 43.89"		3,947	
L 05850	0	KERMACH POTASH CO.	PRO	17S	35E	19 2 2 2	N32° 49' 27.04"	W103° 29' 32.54"	10-Feb-66	3,983	
L 02943	3	% CITIES SERVICE CO.	PRO	17S	35E	20 1 1 4	N32° 49' 27.05"	W103° 29' 17.03"	27-Jul-55	3,987	60
L 10443	0	GILES LEE	STK	17S	35E	20 1 3 3	N32° 49' 14.00"	W103° 29' 17.01"		3,983	
L 09097 (2) EXP	0	PHILLIPS PETROLEUM COMPANY	PRO	17S	35E	21 1 4 2	N32° 49' 13.45"	W103° 27' 59.60"		3,967	

^B = Elevation interpolated from USGS topographical map based on referenced location.

PRO = 72-12-1 Prospecting or development of natural resource

IND = Industrial

OIL = Oil production

SAN = 72-12-1 Sanitary in conjunction with commercial use

COM = Commercial

STK = 72-12-1 Livestock watering

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest

Shaded area indicates wells not shown in Figure 2

TABLE 3

Summary of Excavation Soil Sample Field Analyses and Laboratory Analytical Results

ConocoPhillips Company

EVGSAU #22801-002 (UL-M, Section 28, T17S, R35E, Lea County, New Mexico)

NMOCD #: EPI Ref. #150034

Sample I.D.	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	TPH (C6-C12) (mg/Kg)	TPH (C12-C28) (mg/Kg)	TPH (C28-C35) (mg/Kg)	Total TPH (C6-C35) (mg/Kg)	Chloride (mg/Kg)
MESW-E	1	In Situ	19-Oct-11	--	320	--	--	--	--	--	<10.0	<10.0	--	<20.0	128
MWSW	1	In Situ	13-Oct-11	30.1	160	--	--	--	--	--	ND	ND	ND	ND	168
SSW	1	Excavated	14-Oct-11	27.8	2,040										
SSW-A	1	Excavated	14-Oct-11	40.8	2,080										
SSW-B	1	Excavated	18-Oct-11	21.7	400										
SSW-C	1	Excavated	19-Oct-11	--	400										
SSW-D	1	In Situ	19-Oct-11	--	280	--	--	--	--	--	<10.0	<10.0	--	<20.0	64.0
NSW	1	Excavated	14-Oct-11	930	--										
NSW-A	1	In Situ	18-Oct-11	29	360	--	--	--	--	--	ND	ND	ND	ND	121
NESW	1	Excavated	14-Oct-11	55.0	--										
NESW-A	1	In Situ	18-Oct-11	31.7	320	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.8
NWSW	1	1	14-Oct-11	42.9	240	--	--	--	--	--	ND	ND	ND	ND	164
NBH	2	Excavated	14-Oct-11	84.4	--										
NBH-A	2.5	In Situ	18-Oct-11	27.9	240	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.93
NMOCD Remedial Threshold Goals				100		10				50				100	250

Bold values are in excess of NMOCD Remediation Threshold Goals

Nomenclature: BH = Bottom Hole; SW- Sidewall (N = North, S = South, E = East and W = West)

J = Detected, but below Reporting Limits. Therefore, result is an estimated concentration (CLP J-Flag)

-- = Not Analyzed; ND - Not Detected; SB- Soil Boring; BG - Background Soil Boring

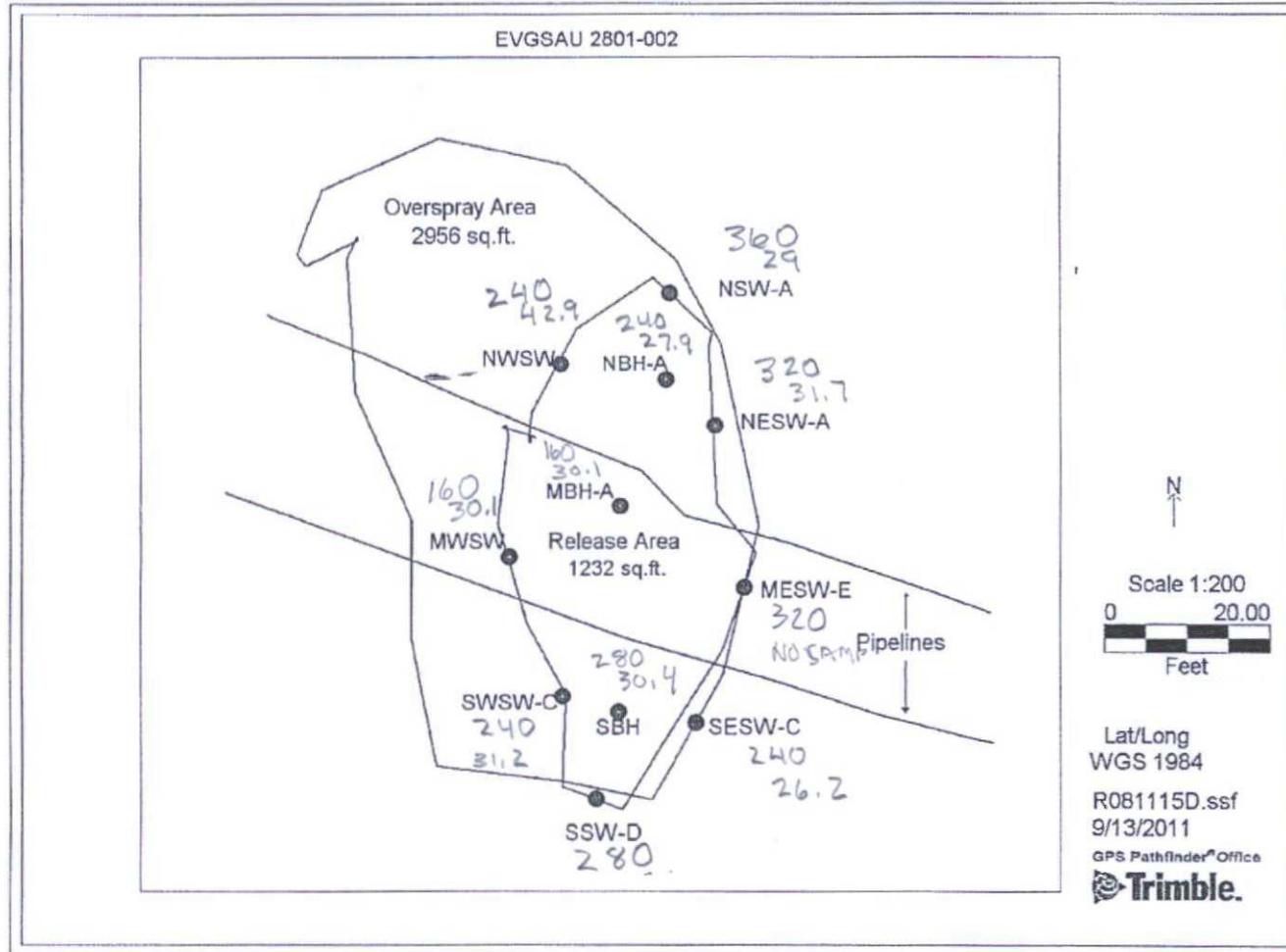


Figure 4
Soil Sample Location Map
ConocoPhillips
EVGSAU 2801-002

Lea County, New Mexico
SW 1/4 SW 1/4 Section 28-17S-35E

DWG By: Jerry Smith
November 2011

REVISED:

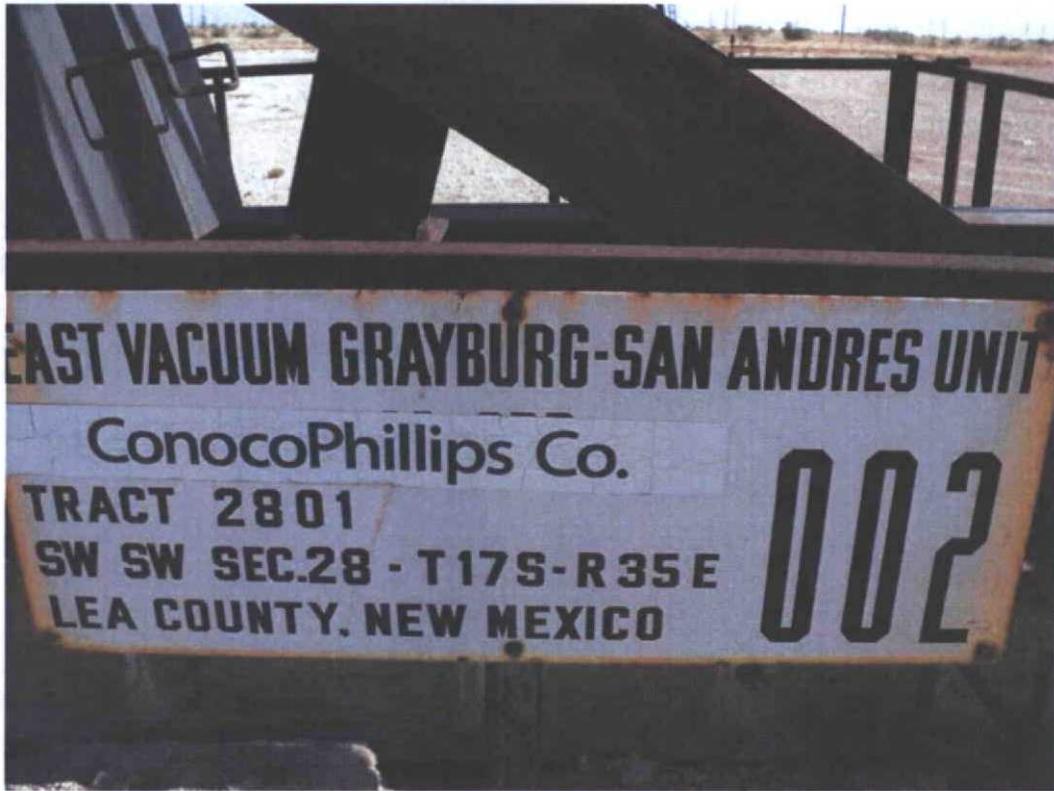
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ATTACHMENTS

ATTACHMENT I

Photographs



Photograph No. 1 - Lease Sign



Photograph No. 2 - Looking northerly at Release and Overspray Areas



Photograph No. 3 – Looking northwesterly at Release Area and surface flow line



Photograph No. 4 – Looking northerly at excavation, surface flow lines and pipe supports



Photograph No. 5 – Looking northerly at excavation, side walls, surface flow lines and pipe supports



Photograph No. 6 – Looking northerly at backfilled Excavation and Overspray Areas

ATTACHMENT II

Laboratory Analytical Results

Analytical Report 429638

for
Environmental Plus, Incorporated

Project Manager: David P. Duncan

EVGSAU 2801-002

150034

18-OCT-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



18-OCT-11

Project Manager: **David P. Duncan**
Environmental Plus, Incorporated
P.O. Box 1558
Eunice, NM 88231

Reference: XENCO Report No: **429638**
EVGSAU 2801-002
Project Address: UL-M, Sec. 28, T17S, R35E

David P. Duncan:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 429638. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 429638 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



Sample Cross Reference 429638



Environmental Plus, Incorporated, Eunice, NM
EVGSAU 2801-002

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SBH	S	10-13-11 11:50		429638-001
MWSW	S	10-13-11 12:40		429638-002
MBH-A	S	10-13-11 13:25		429638-003



CASE NARRATIVE

Client Name: Environmental Plus, Incorporated

Project Name: EVGSAU 2801-002



Project ID: 150034

Work Order Number: 429638

Report Date: 18-OCT-11

Date Received: 10/14/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 429638

Environmental Plus, Incorporated, Eunice, NM



Project Id: 150034

Project Name: EVGSAU 2801-002

Date Received in Lab: Fri Oct-14-11 03:58 pm

Contact: David P. Duncan

Report Date: 18-OCT-11

Project Location: UL-M, Sec. 28, T17S, R35E

Project Manager: Brent Barron II

<i>Analysis Requested</i>	<i>Lab Id:</i>	429638-001	429638-002	429638-003			
	<i>Field Id:</i>	SBH	MWSW	MBH-A			
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Oct-13-11 11:50	Oct-13-11 12:40	Oct-13-11 13:25			
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-17-11 18:01	Oct-17-11 18:01	Oct-17-11 18:01			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		208 4.47	168 4.68	ND 4.70			
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-17-11 14:52	Oct-17-11 14:52	Oct-17-11 14:52			
	<i>Units/RL:</i>	% RL	% RL	% RL			
Percent Moisture		6.03 1.00	10.3 1.00	10.6 1.00			
TPH By SW8015 Mod	<i>Extracted:</i>	Oct-17-11 16:30	Oct-17-11 16:30	Oct-17-11 16:30			
	<i>Analyzed:</i>	Oct-17-11 19:10	Oct-17-11 19:34	Oct-17-11 19:59			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
C6-C12 Gasoline Range Hydrocarbons		ND 15.9	ND 16.7	ND 16.8			
C12-C28 Diesel Range Hydrocarbons		ND 15.9	ND 16.7	ND 16.8			
C28-C35 Oil Range Hydrocarbons		ND 15.9	ND 16.7	ND 16.8			
Total TPH		ND 15.9	ND 16.7	ND 16.8			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron II
Odessa Laboratory Manager

Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	



Form 2 - Surrogate Recoveries

Project Name: EVGSAU 2801-002

Work Orders : 429638,

Project ID: 150034

Lab Batch #: 872537

Sample: 429638-001 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/17/11 19:10	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		72.4	99.8	73	70-135	
o-Terphenyl		43.5	49.9	87	70-135	

Lab Batch #: 872537

Sample: 429638-002 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/17/11 19:34	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		77.5	100	78	70-135	
o-Terphenyl		47.2	50.1	94	70-135	

Lab Batch #: 872537

Sample: 429638-003 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/17/11 19:59	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		86.3	99.9	86	70-135	
o-Terphenyl		50.9	50.0	102	70-135	

Lab Batch #: 872537

Sample: 612804-1-BLK / BLK

Batch: 1 Matrix: Solid

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/17/11 18:46	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		74.8	100	75	70-135	
o-Terphenyl		51.0	50.2	102	70-135	

Lab Batch #: 872537

Sample: 612804-1-BKS / BKS

Batch: 1 Matrix: Solid

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/17/11 17:56	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		82.6	100	83	70-135	
o-Terphenyl		41.3	50.0	83	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EVGSAU 2801-002

Work Orders : 429638,

Project ID: 150034

Lab Batch #: 872537

Sample: 612804-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/17/11 18:21

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	75.9	100	76	70-135	
o-Terphenyl	41.1	50.2	82	70-135	

Lab Batch #: 872537

Sample: 429638-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/18/11 02:13

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	55.9	50.1	112	70-135	

Lab Batch #: 872537

Sample: 429638-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/18/11 02:37

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.2	99.6	95	70-135	
o-Terphenyl	50.3	49.8	101	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.

Project Name: EVGSAU 2801-002

Work Order #: 429638

Analyst: BRB

Date Prepared: 10/17/2011

Project ID: 150034

Date Analyzed: 10/17/2011

Lab Batch ID: 872546

Sample: 872546-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Chloride	<0.840	20.0	21.7	109	20.0	22.2	111	2	75-125	20	

Analyst: BBH

Date Prepared: 10/17/2011

Date Analyzed: 10/17/2011

Lab Batch ID: 872537

Sample: 612804-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	733	73	1000	729	73	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	864	86	1000	835	84	3	70-135	35	

Relative Percent Difference RPD = 200*((C-F)/(C+F))

Blank Spike Recovery [D] = 100*(C)/[B]

Blank Spike Duplicate Recovery [G] = 100*(F)/[E]

All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries



Project Name: EVGSAU 2801-002

Work Order #: 429638
 Lab Batch #: 872546
 Date Analyzed: 10/17/2011
 QC- Sample ID: 429589-006 S
 Reporting Units: mg/kg

Date Prepared: 10/17/2011
 Batch #: 1

Project ID: 150034
 Analyst: BRB
 Matrix: Solid

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	64.0	200	278	107	75-125	

Lab Batch #: 872546
 Date Analyzed: 10/17/2011
 QC- Sample ID: 429638-001 S
 Reporting Units: mg/kg

Date Prepared: 10/17/2011
 Batch #: 1

Analyst: BRB
 Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	208	106	322	108	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
 Relative Percent Difference [E] = 200*(C-A)/(C+B)
 All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Project Name: EVGSAU 2801-002

Work Order # : 429638

Project ID: 150034

Lab Batch ID: 872537

QC- Sample ID: 429638-001 S

Batch #: 1 **Matrix:** Soil

Date Analyzed: 10/18/2011

Date Prepared: 10/17/2011

Analyst: BBH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	897	90	996	831	83	8	70-135	35
C12-C28 Diesel Range Hydrocarbons	15.8	1000	1100	108	996	1000	99	10	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot |(C-F)/(C+F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: EVGSAU 2801-002

Work Order #: 429638

Lab Batch #: 872546

Project ID: 150034

Date Analyzed: 10/17/2011 18:01

Date Prepared: 10/17/2011

Analyst: BRB

QC- Sample ID: 429638-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY

Anions by E300 Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	208	208	0	20	

Lab Batch #: 872551

Date Analyzed: 10/17/2011 14:52

Date Prepared: 10/17/2011

Analyst: WRU

QC- Sample ID: 429584-011 D

Batch #: 1

Matrix: Solid

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	5.72	5.96	4	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
 All Results are based on MDL and validated for QC purposes.
 BRL - Below Reporting Limit



XENCO Laboratories
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 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
 Document No.: SYS-SRC
 Revision/Date: No. 01, 5/27/2010
 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: EPI
 Date/Time: 10.14.11 15:58
 Lab ID #: 4291038
 Initials: AE

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	<u>N/A</u>	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>5.5</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis

Analytical Report 429852
for
Environmental Plus, Incorporated

Project Manager: David P. Duncan

EVGSAU 2801-002

150034

21-OCT-11

Collected By: Client



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Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



21-OCT-11

Project Manager: **David P. Duncan**
Environmental Plus, Incorporated
P.O. Box 1558
Eunice, NM 88231

Reference: XENCO Report No: **429852**
EVGSAU 2801-002
Project Address: UL-M, Sec. 28, T17S, R35E

David P. Duncan:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 429852. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 429852 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron II

Odessa Laboratory Manager

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Sample Cross Reference 429852



Environmental Plus, Incorporated, Eunice, NM
EVGSAU 2801-002

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NWSW (1')	S	10-14-11 10:10		429852-001
SWSW-C (1')	S	10-18-11 12:00		429852-002
SESW-C (1')	S	10-18-11 12:10		429852-003
NESW-A (1')	S	10-18-11 12:35		429852-004
NSW-A (1')	S	10-18-11 12:40		429852-005
NBH-A (2.5')	S	10-18-11 13:00		429852-006



CASE NARRATIVE

Client Name: Environmental Plus, Incorporated
Project Name: EVGSAU 2801-002



Project ID: 150034
Work Order Number: 429852

Report Date: 21-OCT-11
Date Received: 10/19/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-872845 TPH By SW8015 Mod
SW8015MOD_NM

Batch 872845, C6-C12 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix Spike.

Samples affected are: 429852-003, -001, -002, -005, -004, -006.

The Laboratory Control Sample for C6-C12 Gasoline Range Hydrocarbons is within laboratory Control Limits

Batch: LBA-872871 BTEX by EPA 8021B
SW8021BM

Batch 872871, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Ethylbenzene, Toluene, m_p-Xylenes recovered below QC limits in the Matrix Spike Duplicate.

Samples affected are: 429852-002, -004, -006.

The Laboratory Control Sample for Toluene, o-Xylene, Ethylbenzene, m_p-Xylenes is within laboratory Control Limits

Certificate of Analysis Summary 429852

Environmental Plus, Incorporated, Eunice, NM



Project Id: 150034

Contact: David P. Duncan

Project Location: UL-M, Sec. 28, T17S, R35E

Project Name: EVGSAU 2801-002

Date Received in Lab: Wed Oct-19-11 03:48 pm

Report Date: 21-OCT-11

Project Manager: Brent Barron II

<i>Analysis Requested</i>	<i>Lab Id:</i>	429852-001	429852-002	429852-003	429852-004	429852-005	429852-006
	<i>Field Id:</i>	NWSW (1')	SWSW-C (1')	SESW-C (1')	NESW-A (1')	NSW-A (1')	NBH-A (2.5')
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Oct-14-11 10:10	Oct-18-11 12:00	Oct-18-11 12:10	Oct-18-11 12:35	Oct-18-11 12:40	Oct-18-11 13:00
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-20-11 00:32					
	<i>Units/RL:</i>	mg/kg RL					
Chloride		154 4.62	28.8 4.80	15.4 4.52	53.8 4.41	121 4.53	7.97 4.54
BTEX by EPA 8021B	<i>Extracted:</i>		Oct-20-11 15:00		Oct-20-11 15:00		Oct-20-11 15:00
	<i>Analyzed:</i>		Oct-20-11 22:44		Oct-20-11 23:07		Oct-20-11 23:30
	<i>Units/RL:</i>		mg/kg RL		mg/kg RL		mg/kg RL
Benzene			ND 0.00114		ND 0.00104		ND 0.00107
Toluene			ND 0.00228		ND 0.00209		ND 0.00215
Ethylbenzene			ND 0.00114		ND 0.00104		ND 0.00107
m_p-Xylenes			ND 0.00228		ND 0.00209		ND 0.00215
o-Xylene			ND 0.00114		ND 0.00104		ND 0.00107
Total Xylenes			ND 0.00114		ND 0.00104		ND 0.00107
Total BTEX			ND 0.00114		ND 0.00104		ND 0.00107
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Oct-19-11 17:15					
	<i>Units/RL:</i>	% RL					
Percent Moisture		9.18 1.00	12.5 1.00	7.18 1.00	4.68 1.00	7.19 1.00	7.57 1.00
TPH By SW8015 Mod	<i>Extracted:</i>	Oct-20-11 11:30					
	<i>Analyzed:</i>	Oct-20-11 12:42	Oct-20-11 13:07	Oct-20-11 13:32	Oct-20-11 13:58	Oct-20-11 14:23	Oct-20-11 14:48
	<i>Units/RL:</i>	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		ND 16.5	ND 17.1	ND 16.1	ND 15.7	ND 16.1	ND 16.2
C12-C28 Diesel Range Hydrocarbons		ND 16.5	ND 17.1	ND 16.1	ND 15.7	ND 16.1	ND 16.2
C28-C35 Oil Range Hydrocarbons		ND 16.5	ND 17.1	ND 16.1	ND 15.7	ND 16.1	ND 16.2
Total TPH		ND 16.5	ND 17.1	ND 16.1	ND 15.7	ND 16.1	ND 16.2

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron II
Odessa Laboratory Manager

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **SQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	



Form 2 - Surrogate Recoveries

Project Name: EVGSAU 2801-002

Work Orders : 429852,

Project ID: 150034

Lab Batch #: 872845

Sample: 429852-001 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/20/11 12:42	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		83.4	99.9	83	70-135	
o-Terphenyl		54.7	50.0	109	70-135	

Lab Batch #: 872845

Sample: 429852-002 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/20/11 13:07	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		90.9	99.8	91	70-135	
o-Terphenyl		59.7	49.9	120	70-135	

Lab Batch #: 872845

Sample: 429852-003 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/20/11 13:32	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		84.0	99.7	84	70-135	
o-Terphenyl		53.7	49.9	108	70-135	

Lab Batch #: 872845

Sample: 429852-004 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/20/11 13:58	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		75.1	99.6	75	70-135	
o-Terphenyl		44.0	49.8	88	70-135	

Lab Batch #: 872845

Sample: 429852-005 / SMP

Batch: 1 Matrix: Soil

SURROGATE RECOVERY STUDY						
Units: mg/kg	Date Analyzed: 10/20/11 14:23	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
TPH By SW8015 Mod						
Analytes						
1-Chlorooctane		89.4	99.9	89	70-135	
o-Terphenyl		54.7	50.0	109	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EVGSAU 2801-002

Work Orders : 429852,

Project ID: 150034

Lab Batch #: 872845

Sample: 429852-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/20/11 14:48

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	77.6	99.8	78	70-135	
o-Terphenyl	48.8	49.9	98	70-135	

Lab Batch #: 872871

Sample: 429852-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/20/11 22:44

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0267	0.0300	89	80-120	
4-Bromofluorobenzene	0.0252	0.0300	84	80-120	

Lab Batch #: 872871

Sample: 429852-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/20/11 23:07

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0260	0.0300	87	80-120	
4-Bromofluorobenzene	0.0270	0.0300	90	80-120	

Lab Batch #: 872871

Sample: 429852-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/20/11 23:30

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0252	0.0300	84	80-120	
4-Bromofluorobenzene	0.0255	0.0300	85	80-120	

Lab Batch #: 872845

Sample: 612976-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/20/11 12:18

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.9	100	96	70-135	
o-Terphenyl	58.9	50.0	118	70-135	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EVGSAU 2801-002

Work Orders : 429852,

Project ID: 150034

Lab Batch #: 872871

Sample: 612998-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/20/11 22:21

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0261	0.0300	87	80-120	
4-Bromofluorobenzene	0.0262	0.0300	87	80-120	

Lab Batch #: 872845

Sample: 612976-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/20/11 10:06

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	56.6	50.0	113	70-135	

Lab Batch #: 872871

Sample: 612998-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/20/11 20:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0281	0.0300	94	80-120	
4-Bromofluorobenzene	0.0280	0.0300	93	80-120	

Lab Batch #: 872871

Sample: 612998-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/20/11 21:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0271	0.0300	90	80-120	

Lab Batch #: 872845

Sample: 429852-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/20/11 15:13

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	84.2	99.9	84	70-135	
o-Terphenyl	43.0	50.0	86	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EVGSAU 2801-002

Work Orders : 429852,

Project ID: 150034

Lab Batch #: 872871

Sample: 429852-002 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/21/11 02:32

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0278	0.0300	93	80-120	
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

Lab Batch #: 872845

Sample: 429852-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/20/11 15:38

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	93.2	99.8	93	70-135	
o-Terphenyl	49.9	49.9	100	70-135	

Lab Batch #: 872871

Sample: 429852-002 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/21/11 02:55

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0275	0.0300	92	80-120	
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

* Surrogate outside of Laboratory QC limits
 ** Surrogates outside limits; data and surrogates confirmed by reanalysis
 *** Poor recoveries due to dilution
 Surrogate Recovery [D] = 100 * A / B
 All results are based on MDL and validated for QC purposes.

Blank Spike Recovery



Project Name: EVGSAU 2801-002

Work Order #: 429852

Project ID:

150034

Lab Batch #: 872845

Sample: 612976-1-BKS

Matrix: Solid

Date Analyzed: 10/20/2011

Date Prepared: 10/20/2011

Analyst: ASA

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

TPH By SW8015 Mod	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
C6-C12 Gasoline Range Hydrocarbons	<15.0	1000	818	82	70-135	
C12-C28 Diesel Range Hydrocarbons	<15.0	1000	1060	106	70-135	

Blank Spike Recovery [D] = 100*[C]/[B]
 All results are based on MDL and validated for QC purposes.
 BRL - Below Reporting Limit

Project Name: EVGSAU 2801-002

Work Order #: 429852

Analyst: ASA

Date Prepared: 10/20/2011

Project ID: 150034

Date Analyzed: 10/20/2011

Lab Batch ID: 872871

Sample: 612998-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.00100	0.100	0.111	111	0.125	0.128	102	14	70-130	35	
Toluene	<0.00200	0.100	0.114	114	0.125	0.129	103	12	70-130	35	
Ethylbenzene	<0.00100	0.100	0.118	118	0.125	0.135	108	13	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.236	118	0.250	0.270	108	13	70-135	35	
o-Xylene	<0.00100	0.100	0.117	117	0.125	0.136	109	15	71-133	35	

Analyst: BRB

Date Prepared: 10/20/2011

Date Analyzed: 10/20/2011

Lab Batch ID: 872710

Sample: 872710-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Chloride	<0.840	20.0	22.0	110	20.0	22.0	110	0	75-125	20	

Relative Percent Difference RPD = 200*(C-F)/(C+F)

Blank Spike Recovery [D] = 100*(C)/[B]

Blank Spike Duplicate Recovery [G] = 100*(F)/[E]

All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries



Project Name: EVGSAU 2801-002

Work Order #: 429852
 Lab Batch #: 872710
 Date Analyzed: 10/20/2011
 QC- Sample ID: 429606-006 S
 Reporting Units: mg/kg

Date Prepared: 10/20/2011
 Batch #: 1

Project ID: 150034
 Analyst: BRB
 Matrix: Solid

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	499	200	723	112	75-125	

Lab Batch #: 872710
 Date Analyzed: 10/20/2011
 QC- Sample ID: 429736-001 S
 Reporting Units: mg/kg

Date Prepared: 10/20/2011
 Batch #: 1

Analyst: BRB
 Matrix: Solid

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Inorganic Anions by EPA 300	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Chloride	529	400	974	111	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
 Relative Percent Difference [E] = 200*(C-A)/(C+B)
 All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Project Name: EVGSAU 2801-002

Work Order #: 429852

Project ID: 150034

Lab Batch ID: 872871

QC- Sample ID: 429852-002 S

Batch #: 1 Matrix: Soil

Date Analyzed: 10/21/2011

Date Prepared: 10/20/2011

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	Benzene	<0.00115	0.115	0.0843	73	0.114	0.0812	71	4	70-130	35
Toluene	<0.00229	0.115	0.0826	72	0.114	0.0775	68	6	70-130	35	X
Ethylbenzene	<0.00115	0.115	0.0826	72	0.114	0.0760	67	8	71-129	35	X
m_p-Xylenes	<0.00229	0.229	0.160	70	0.228	0.146	64	9	70-135	35	X
o-Xylene	<0.00115	0.115	0.0762	66	0.114	0.0686	60	10	71-133	35	X

Lab Batch ID: 872845

QC- Sample ID: 429852-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 10/20/2011

Date Prepared: 10/20/2011

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	C6-C12 Gasoline Range Hydrocarbons	<16.5	1100	750	68	1100	839	76	11	70-135	35
C12-C28 Diesel Range Hydrocarbons	<16.5	1100	925	84	1100	993	90	7	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot |(C-F)/(C+F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery



Project Name: EVGSAU 2801-002

Work Order #: 429852

Lab Batch #: 872710

Project ID: 150034

Date Analyzed: 10/20/2011 00:32

Date Prepared: 10/20/2011

Analyst: BRB

QC- Sample ID: 429736-001 D

Batch #: 1

Matrix: Solid

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	529	513	3	20	

Lab Batch #: 872709

Date Analyzed: 10/19/2011 14:25

Date Prepared: 10/19/2011

Analyst: BRB

QC- Sample ID: 429746-001 D

Batch #: 1

Matrix: Solid

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	3.24	3.30	2	20	

Spike Relative Difference RPD 200 * |(B-A)/(B+A)|
 All Results are based on MDL and validated for QC purposes.
 BRL - Below Reporting Limit



XENCO Laboratories
 Atlanta, Boca Raton, Corpus Christi, Dallas
 Houston, Miami, Odessa, Philadelphia
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
 Document No.: SYS-SRC
 Revision/Date: No. 01, 5/27/2010
 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: E.P.I.
 Date/Time: 10-19-11 15:48
 Lab ID #: 429852
 Initials: OE

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	<u>N/A</u>	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>NO</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	<u>Yes</u>	No	N/A	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>2.0</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis

October 21, 2011

David P. Duncan
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

RE: EVGSAU 2801-002

Enclosed are the results of analyses for samples received by the laboratory on 10/20/11 8:37.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 Environmental Plus, Inc.
 David P. Duncan
 P.O. Box 1558
 Eunice NM, 88231
 Fax To: (505) 394-2601

 Received: 10/20/2011
 Reported: 10/21/2011
 Project Name: EVGSAU 2801-002
 Project Number: 150034
 Project Location: UL-M, SEC. 28, T17S, R35E

 Sampling Date: 10/19/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SSW-D (1') (H102271-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/20/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/21/2011	ND	172	85.9	200	3.64		
DRO >C10-C28	<10.0	10.0	10/21/2011	ND	164	81.8	200	3.95		

Surrogate: 1-Chlorooctane 93.0 % 55.5-154
 Surrogate: 1-Chlorooctadecane 94.1 % 57.6-158

Sample ID: MESW-E (1') (H102271-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/20/2011	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/21/2011	ND	172	85.9	200	3.64		
DRO >C10-C28	<10.0	10.0	10/21/2011	ND	164	81.8	200	3.95		

Surrogate: 1-Chlorooctane 91.3 % 55.5-154
 Surrogate: 1-Chlorooctadecane 87.9 % 57.6-158

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Caley D. Keene, Lab Director/Quality Manager

ATTACHMENT III

Copy of Initial NMOCD Form C-141
Final NMOCD Form C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company ConocoPhillips Company	Contact John W. Gates
Address 3300 North A St. Bldg 6, Midland, TX 79705-5406	Telephone No. 505.391.3158
Facility Name EVGSAU 2801-002	Facility Type Oil and Gas
Surface Owner State Of New Mexico	Mineral Owner State Of New Mexico
Lease No 300252622500	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	28	17S	35E					Lea

Latitude Longitude

NATURE OF RELEASE

Type of Release Crude Oil & Produced water	Volume of Release 15.4bbl (15oil, .4water)	Volume Recovered (15oil, 0water)
Source of Release The release originated from a split behind a pipe collar on a 2 3/8 inch steel surface flow line due to suspected fatigue.	Date and Hour of Occurrence 08/03/11 0700	Date and Hour of Discovery 08/03/11 0730
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The release originated from a split behind a pipe collar on a 2 3/8 inch steel surface flow line due to suspected fatigue.

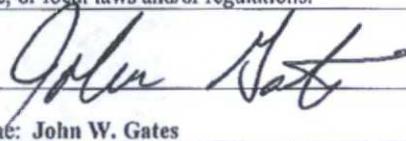
Describe Area Affected and Cleanup Action Taken.*

60'x8'x1" area of pasture land. A vacuum truck was called and ~ 15 bbls of oil was recovered.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature:



Printed Name: **John W. Gates**

Approved by District Supervisor:

Title: **HSER Lead**

Approval Date:

Expiration Date:

E-mail Address: **John.W.Gates@conocophillips.com**

Conditions of Approval:

Attached

Date: **08/08/11**

Phone: **505.391.3158**

• Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: ConocoPhillips Company		Contact: John W. Gates	
Address: 3300 North "A" St., Bldg. 6, Midland, Tx. 79705-5406		Telephone No.: (575) 391-3158	
Facility Name: EVGSAU 2801-002		Facility Type: Production Flow Line	
Surface Owner: State of New Mexico		Mineral Owner: State of New Mexico	Lease No. API # 30-025-2622500

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	South Line	Feet from the	West Line	County
M	28	17S	35E					Lea

Latitude: N32° 46' 49.99"

Longitude: W103° 28' 11.64"

NATURE OF RELEASE

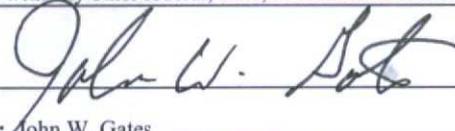
Type of Release: Crude Oil and Produced Water	Volume of Release: 15.4-bbl (15-oil, 0.4-water)	Volume Recovered: 15-oil-0-water
Source of Release: Release originated from a split behind pipe collar on a 2 3/8" steel surface flow line due to suspected fatigue	Date and Hour of Occurrence: 8/03/11 @ 7:00 AM	Date and Hour of Discovery: 8/03/11 @ 7:30 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: N/A	
If a Watercourse was Impacted, Describe Fully. N/A		

Depth to Groundwater: > 60- feet below ground surface (bgs)

Describe Cause of Problem and Remedial Action Taken.* Release originated from a split behind collar on a 2 3/8" steel surface flow line due to suspected fatigue; vacuum truck arrived at release area and recovered 15-bbls of fluid; COCP notified an environmental company (EPI) to assess damage, GPS survey, photograph the release area and prepare a Remediation Proposal

Describe Area Affected and Cleanup Action Taken.* After completing the above described activities, Environmental Plus, Inc., (EPI) submitted a Remediation Proposal to the NMOCD on 9-23-11; upon approval, EPI mobilized equipment to the job site on 10-10-11; from 10-12-11 thru 10-19-11 EPI excavated, loaded and transported ±532-cubic yards of impacted material to Controlled Recovery, Inc., (CRI) for disposal; soil samples were collected from the release area sidewalls and bottom on 10-13-11, 10-14-11 & 10-18-11, 10-19-11 and remitted to an independent laboratory for analyses of BTEX, TPH and chloride concentrations (C-o-C); upon receipt of laboratory analytical data indicating C-o-C concentrations were in compliance with NMOCD Goals, backfill operations commenced; on 10-24-11 ±532 cubic yards of clean top soil were imported and used to backfill the excavation; disturbed areas were contoured to prevent wind/water erosion and promote natural drainage; EPI recommends discing and deep drill seeding disturbed areas when weather/ground conditions are conducive to vegetative growth possible extending into late spring 2012.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: John W. Gates	Approved by Environmental Engineer:	
Title: HSER Lead	Approval Date:	Expiration Date:
E-mail Address: John.W.Gates@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11-08-11	Phone: (575) 391-3158	

* Attach Additional Sheets If Necessary